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## Scanning Super/Ultrapulsed CO<sub>2</sub> Laser Efficacy in Laryngeal Malignant Lesions

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**Abstract:** The authors review their experience in transoral laryngeal microsurgery (TLM) that they performed with two different CO<sub>2</sub> laser devices from the same company, which were both equipped with a micromanipulator and digital scanner. **Material and Methods:** A total of 91 glottic and glotto-supraglottic cancers were treated during the years 2009–2016 and then analyzed in relation to the laser performances and the long-term oncologic results. **Results:** Laser devices proved to be very efficient and the UP mode was confirmed to be the best in terms of cutting precision and lowest thermal damage. **Conclusions:** CO<sub>2</sub> laser TLM is the preferred option for the majority of small–medium size glottic and supraglottic cancers and may also be used for bigger tumors, especially in older patients.